

## POE-SP02BT-POEG25

Industrial 2.5G BT90W PoE++ Splitter



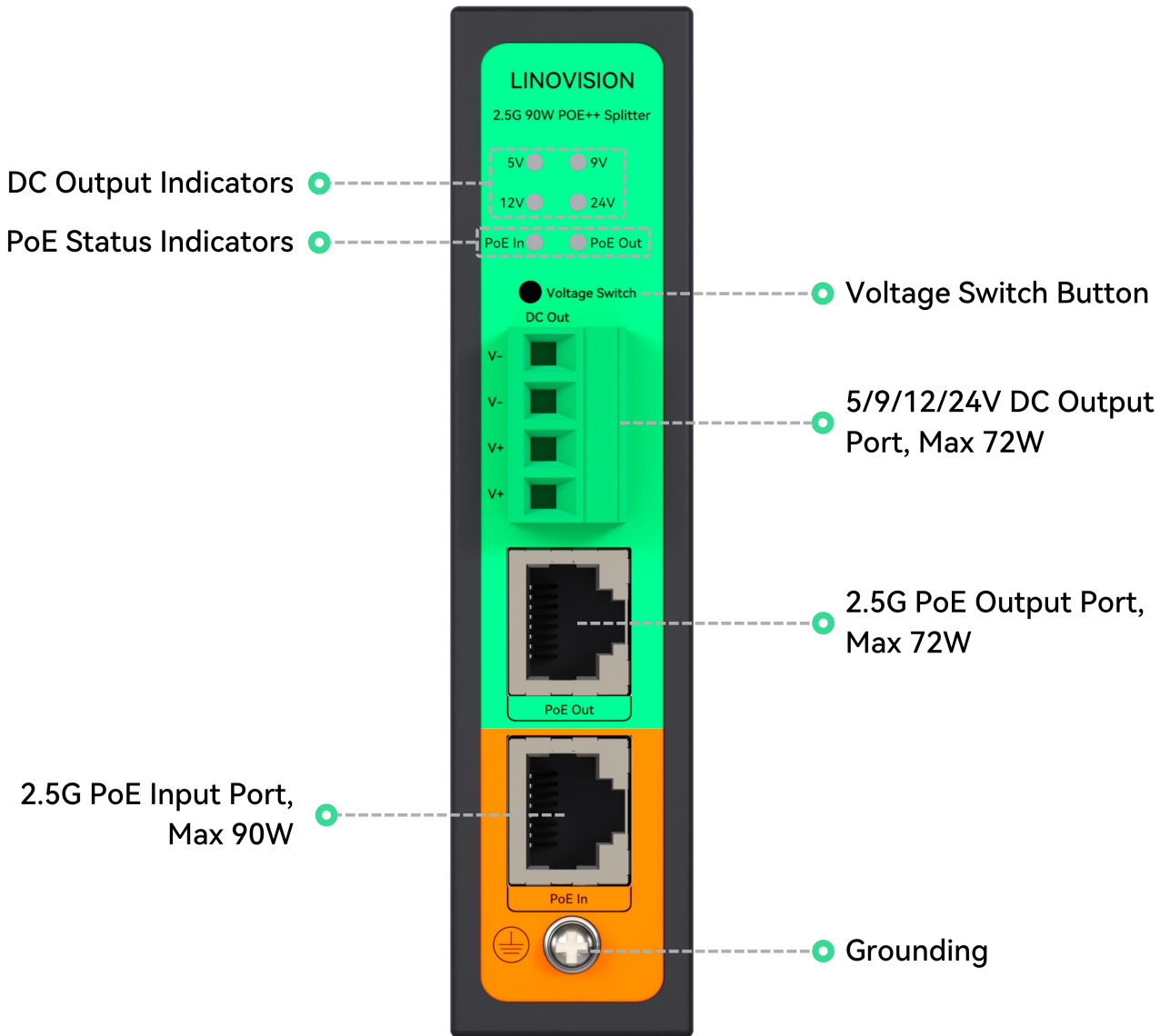
### Outstanding Features

- **BT90W PoE SPLITTER:** Split 90W IEEE802.3bt PoE to IEEE802.3bt POE and DC power outputs, max 72W in total.
- **IEEE802.3BT PoE OUTPUT:** 1 x 2.5G IEEE 802.3bt PoE passthrough output, allowing the device to simultaneously provide both PoE and DC power from a single PoE input.
- **5V/9V/12V/24V DC OUTPUT:** Features 1 x DC 5V/14A or 9V/7.8A or 12V/5.9A or 24V/3A switchable output, with intelligent LED indicators for quick voltage selection.
- **2.5G High-Speed Network:** Supports 10/100/1000/2500Mbps network transmission, ideal for high-bandwidth applications such as AI cameras, WiFi 6/7 access points, high-resolution video, and edge computing deployments.
- **RUGGED DESIGN:** Industrial-grade metal housing with DIN-rail mounting design for harsh environments. Supports -40°C to 75°C wide temperature operation with built-in short-circuit and thermal protection.

## Specification

Model	POE-SP02BT-POEG25
Ports	1 * 10/100/1000/2500M RJ45 PoE Port (DATA + POWER IN) 1 * 10/100/1000/2500M RJ45 PoE Port (DATA + POWER OUT) 1 * DC interface (DC OUT)
Network Media	10Mbps: Cat 3,4,5 Unshielded Cable 100Mbps: Cat 5,5E Unshielded Cable 1000Mbps: Cat 5E, 6 Unshielded Cable 2500Mbps: Cat 5E, 6 Unshielded Cable
Pass Through Data Rates	10/100/1000/2500 Mbps
POE Output Pin Assignment	1/2 (+) 3/6 (-) ; 4/5 (+) 7/8 (-)
Power Output	Adjustable 5VDC/10A max, 9VDC/7.8A max, 12VDC/5.9A max(default), 24VDC/3A max
Input Power Requirements	DC Input Voltage: 44 to 57V DC
Indicators	PoE Indicators / DC out Voltage Indicators
Connectors	Shielded RJ-45, EIA 568A and 568B
Dimensions	4.69 × 3.37 × 1.1" (119 × 85.5 × 28mm)
Environmental Conditions	Operating Ambient Temperature: -40°F to 167°F (-40 to 75°C) Operating Humidity: Maximum 90%, Non-condensing Storage Temperature: -40°F to 167°F (-40 to 75°C) Storage Humidity: Maximum 95%, Non-condensing
Regulatory Compliance	IEEE 802.3af (PoE) IEEE 802.3at (PoE) IEEE 802.3bt (PoE) IEEE 802.3 (Ethernet) IEEE 802.3u (Fast Ethernet) IEEE 802.3ab (Gigabit Ethernet)

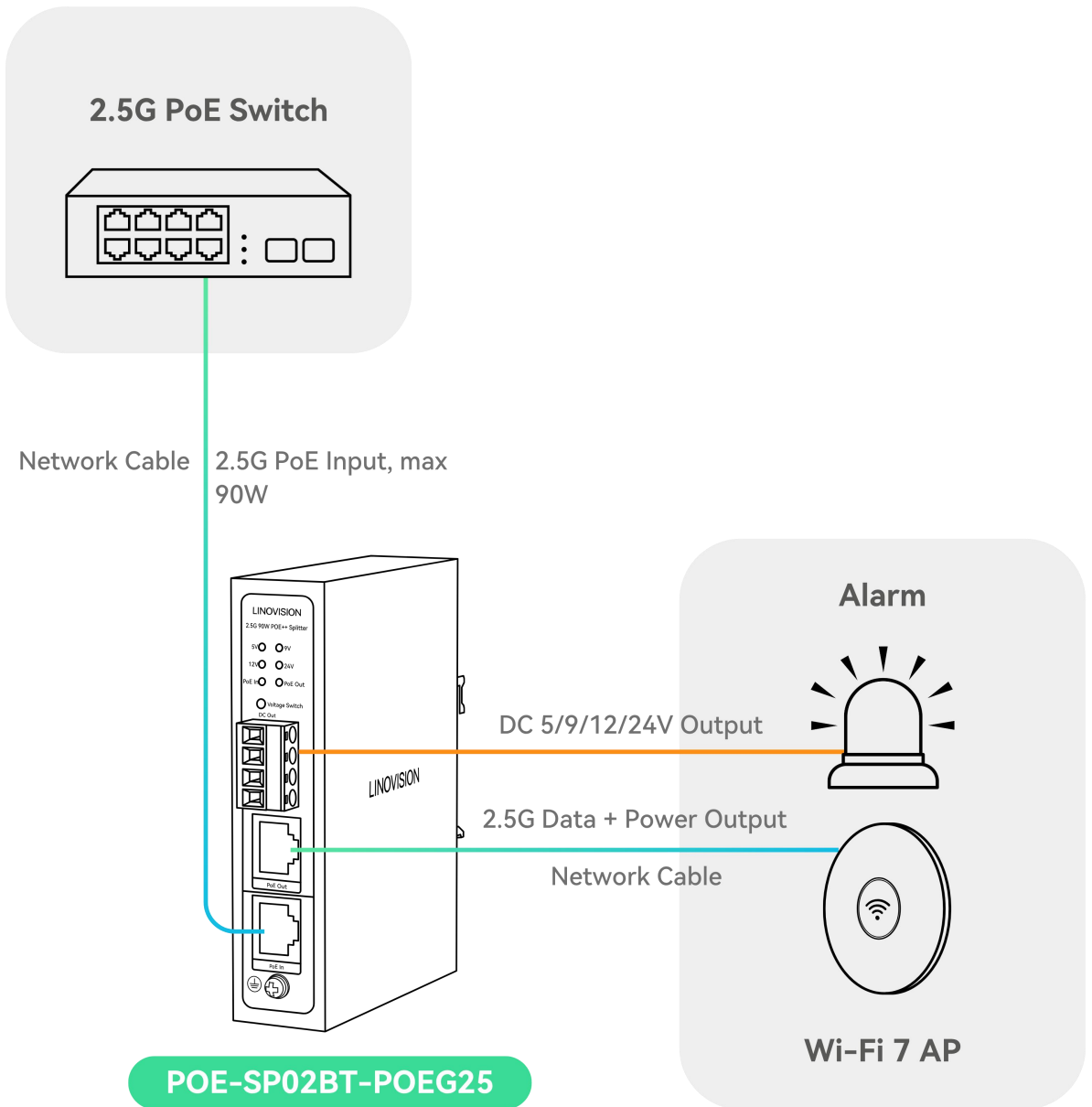
## Interface



72W max output for whole devices(DC Output + PoE Output)

*\*Disclaimer: Technical specifications may subject to change without prior notice*

## Connection Diagram

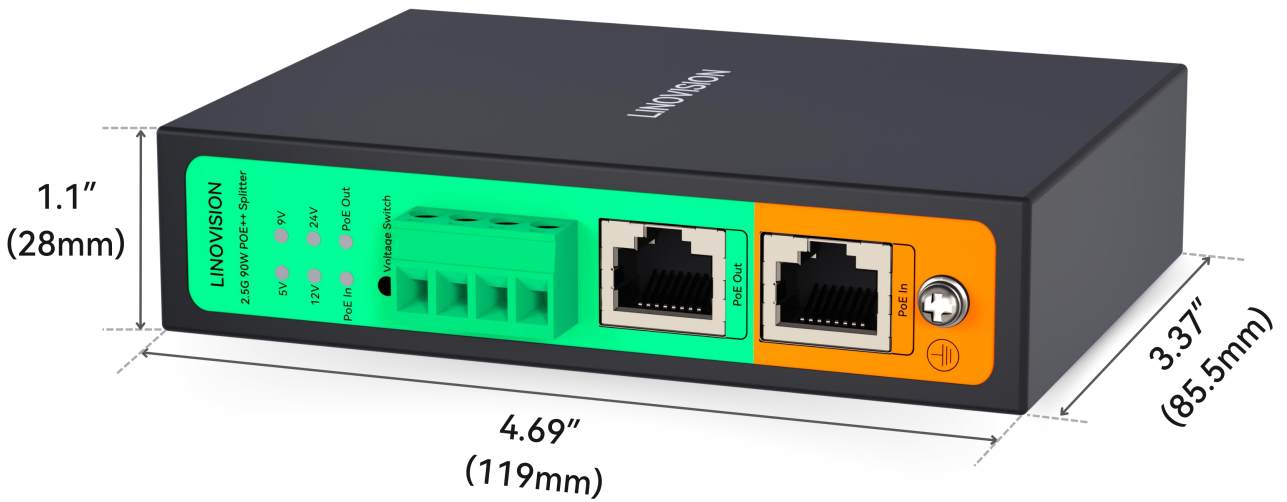


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When using DC out port to power a PoE device, do not connect the PoE out port to this PoE device.

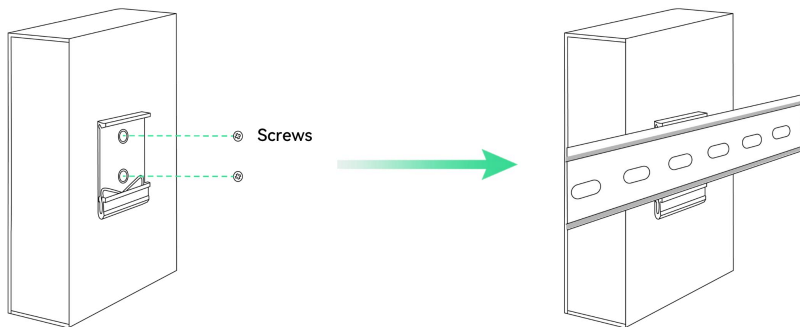
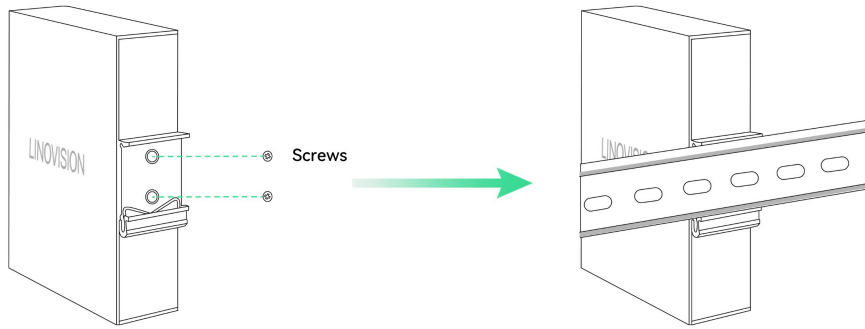
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## Dimension



Weight:0.35kg (0.77 lb)

## Installation



### DIN-rail Installation & Wall Mounting

## Package



POE-SP02BT-POEG25



Terminal



DIN-Rail  
Mounting Accessory



User Manual